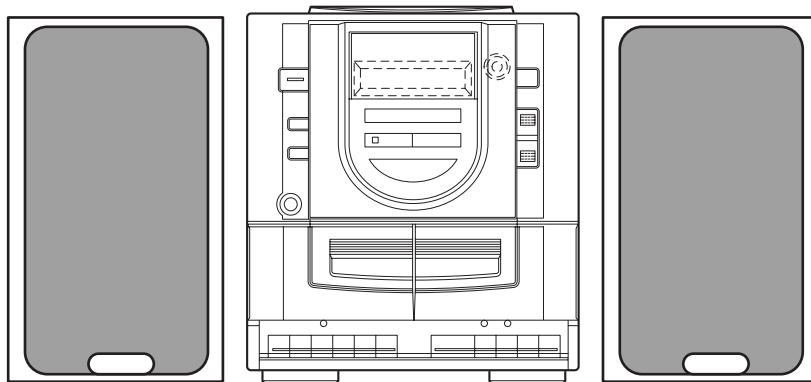




**NSX-SZ1**

LH



# SERVICE MANUAL

COMPACT DISC  
STEREO SYSTEM

BASIC TAPE MECHANISM : ZZM-2 APR1NC  
BASIC CD MECHANISM : KSM-213 CDM

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-SZ1	CX-NSZ1	SX-NSZ1	RC-AAS08

- This Service Manual is the "Supplement" and replaces "Simple Manual" NSX-SZ1 (LH), (S/M Code No. 09-00A-433-8T2).
- This Service Manual contains information about the difference between NSX-SZ1 (LH) and NSX-SZ1 (HR). If requiring other information, see Service Manual of NSX-SZ1 (HR, HT, EZ), (S/M Code No. 09-009-433-8R1).

**aiwa**  
S/M Code No. 09-00B-433-8S2

**SUPPLEMENT**  
DATA

## SPECIFICATIONS

### <FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

### <AM tuner section>

Tuning range	530 kHz to 1710 kHz (10 kHz step)
	531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 $\mu$ V/m
Antenna	Loop antenna

### <Amplifier section>

Power output	Rated: 4 W + 4 W (6 ohms, T.H.D. 1 %, 1 kHz) Reference: 5 W + 5 W (6 ohms, T.H.D. 10 %, 1 kHz)
Total harmonic distortion	0.2 % (1 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 600 mV
Outputs	SPEAKERS: 6 ohms or more PHONES: 32 ohms or more

### <Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 8000 Hz
Recording system	AC bias
Heads	Deck 1: recording/playback x 1, erase x 1 Deck 2: playback x 1

### <Compact disc player section>

Laser	Semiconductor laser ( $\lambda = 780$ nm)
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### <Speaker system SX-NSZ1>

Speaker system	1 way, bass reflex
Speaker units	Full range: 100 mm cone
Impedance	6 ohms
Dimensions (W x H x D)	200 x 288 x 186 mm
Weight	1.5 kg

### <General>

Power requirements	120 V/ 220 - 230 V/ 240 V AC (switchable), 50 Hz/ 60Hz
Power consumption	28 W
Dimensions (W x H x D)	260 x 295 x 260 mm
Weight	3.4 kg

- Specifications and external appearance are subject to change without notice.

## ACCESSORIES / PACKAGE LIST

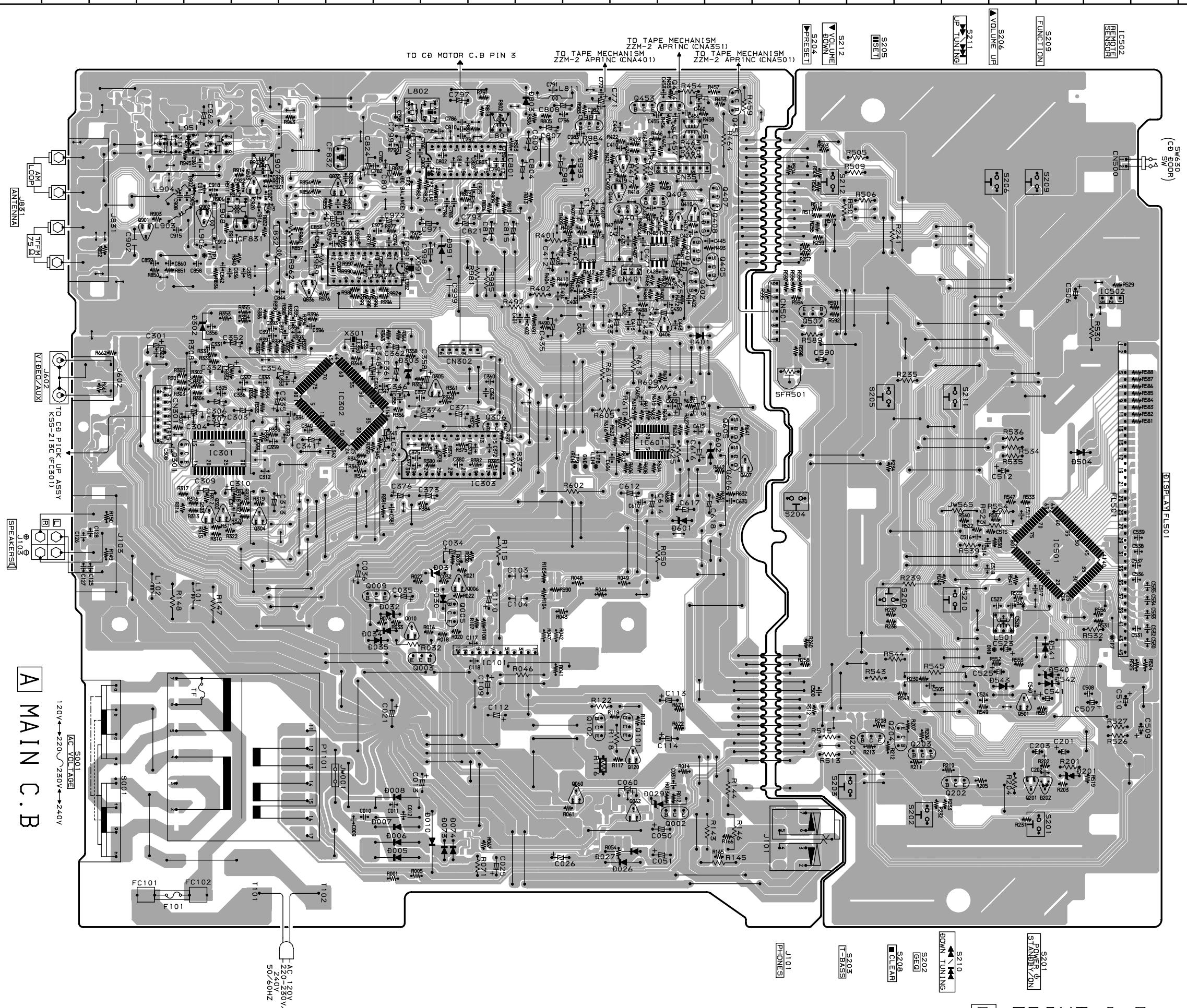
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NED-902-010	IB, LH (E)	
2	8A-NEC-701-010	RC UNIT, RC-AAS08	
3	87-043-115-010	ANT, FEEDER FM	
4	87-A90-030-010	ANT, LOOP AM-NC C	
△ 5	87-A91-017-010	PLUG, CONVERSION JT-0476	

# ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C126	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A21-756-010	IC, LA4629		C127	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A21-381-040	C-IC, LA9235M		C128	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A21-591-010	C-IC, LC78641NE-D		C301	87-010-374-080	CAP, ELECT 47-10V	
	87-A21-722-010	IC, LA6548D		C302	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A21-419-040	C-IC, NJM14558MD-TE2		C303	87-010-260-080	CAP, ELECT 47-25V	
	8A-NEC-602-010	C-IC, M38B57MCH-E249FP		C304	87-010-260-080	CAP, ELECT 47-25V	
	87-070-083-010	IC, GP1U281X		C305	87-012-286-080	CAP, U 0.01-25	
	87-A21-443-040	C-IC, M62495Afp		C306	87-010-405-080	CAP, ELECT 10-50V	
	87-A21-560-010	IC, LA1844L-A		C307	87-010-263-080	CAP, ELECT 100-10V	
	87-070-127-110	IC, LC72131 D		C308	87-012-349-080	C-CAP,S 1000P-50 CH	
TRANSISTOR				C309	87-010-546-080	CAP, ELECT 0.33-50V	
	87-026-609-080	TR, KTA1266GR		C310	87-010-401-080	CAP, ELECT 1-50V	
	89-213-702-010	TR, 2SB1370 (1.8W)		C311	87-012-193-080	C-CAP,U 82P-50 CH	
	87-026-610-080	TR, KTC3198GR		C312	87-012-286-080	CAP, U 0.01-25	
	87-A30-076-080	C-TR, 2SC3052F		C313	87-010-260-080	CAP, ELECT 47-25V	
	87-A30-329-080	TR, CD1585BC		C331	87-A10-504-080	C-CAP,U 0.047-16 K B	
	87-A30-075-080	C-TR, 2SA1235F		C332	87-010-401-080	CAP, ELECT 1-50V	
	87-026-233-010	C-TR, DTA114TK		C333	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A30-091-080	FET, 2SJ460		C334	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A30-090-080	FET, 2SK2541		C335	87-010-260-080	CAP, ELECT 47-25V	
	87-A30-062-080	C-TR, KRC104S		C336	87-012-195-080	C-CAP,U 100P-50CH	
	87-A30-318-080	TR, CSA952K		C337	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A30-492-080	TR, 2SC5343G		C338	87-012-282-080	CAP, U 4700P-50	
	87-A30-234-080	TR, CSC4115BC		C339	87-A10-504-080	C-CAP,U 0.047-16 K B	
	87-A30-489-080	C-TR, KRA107S		C340	87-012-195-080	C-CAP,U 100P-50CH	
	89-503-602-080	C-FET, 2SK360E		C341	87-010-260-080	CAP, ELECT 47-25V	
	89-327-143-080	TR, 2SC2714 (0.1W)		C342	87-012-286-080	CAP, U 0.01-25	
	87-A30-521-080	C-TR, 2SC5345S(O)		C344	87-010-260-080	CAP, ELECT 47-25V	
				C345	87-012-286-080	CAP, U 0.01-25	
DIODE				C346	87-010-248-080	CAP, ELECT 220-10V	
				C347	87-012-286-080	CAP, U 0.01-25	
				C348	87-010-263-080	CAP, ELECT 100-10V	
				C349	87-012-286-080	CAP, U 0.01-25	
				C350	87-012-176-080	CAP 15P	
	87-A40-535-080	DIODE, 1N5393-GOODARK		C351	87-012-176-080	CAP 15P	
	87-A40-553-080	DIODE, 1N4003 LES		C352	87-010-404-080	CAP, ELECT 4.7-50V	
	87-A40-777-080	ZENER, UZ30BSB		C353	87-012-286-080	CAP, U 0.01-25	
	87-A40-764-080	ZENER, UZ10BSC		C354	87-010-401-080	CAP, ELECT 1-50V	
	87-020-465-080	DIODE, 1SS133 (110MA)		C355	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A40-758-080	ZENER, UZ8.2BSB		C356	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A40-313-080	C-DIODE, MC 2840		C357	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A40-747-080	ZENER, UZ5.1BSB		C358	87-010-405-080	CAP, ELECT 10-50V	
	87-A40-743-080	ZENER, UZ4.3BSA		C359	87-012-195-080	C-CAP,U 100P-50CH	
	87-A40-749-080	ZENER, UZ5.6BSB		C360	87-012-349-080	C-CAP,S 1000P-50 CH	
	87-A40-739-080	ZENER, UZ2.7BSA		C361	87-010-544-080	CAP, ELECT 0.1-50V	
	87-A40-916-040	C-VARI-CAP, HVC202A		C362	87-010-544-080	CAP, ELECT 0.1-50V	
	87-A40-748-080	ZENER, UZ5.6BSA		C363	87-010-759-080	C-CAP,U, 0.1-25F	
	87-A40-760-080	ZENER, UZ9.1BSA		C371	87-010-221-080	CAP, ELECT 470-10V	
				C372	87-010-759-080	C-CAP,U, 0.1-25F	
MAIN C.B				C373	87-010-544-080	CAP, ELECT 0.1-50V	
	C13	87-010-409-080	CAP, E 220-50 SME	C374	87-010-236-080	CAP, E 1000-10 SME	
	C21	87-A10-011-010	CAP, E 2200-25 M SMG	C375	87-010-759-080	C-CAP,U, 0.1-25F	
	C25	87-010-384-080	CAP, ELECT 100-25V	C376	87-010-263-080	CAP, ELECT 100-10V	
	C26	87-010-408-080	CAP, E 47-50 M 11L SME	C377	87-010-759-080	C-CAP,U, 0.1-25F	
	C32	87-012-286-080	CAP, U 0.01-25	C378	87-010-759-080	C-CAP,U, 0.1-25F	
	C34	87-010-260-080	CAP, ELECT 47-25V	C379	87-010-759-080	C-CAP,U, 0.1-25F	
	C35	87-010-406-080	CAP, ELECT 22-50	C380	87-010-759-080	C-CAP,U, 0.1-25F	
	C36	87-010-112-080	CAP, ELECT 100-16V	C381	87-010-759-080	C-CAP,U, 0.1-25F	
	C50	87-010-247-080	CAP, ELECT 100-50V	C391	87-012-195-080	C-CAP,U 100P-50CH	
	C51	87-010-247-080	CAP, E 100-50 M 11L SME	C392	87-012-195-080	C-CAP,U 100P-50CH	
	C60	87-010-403-080	CAP, ELECT 3.3-50V	C393	87-012-195-080	C-CAP,U 100P-50CH	
	C109	87-010-387-080	CAP, E 470-25 SME	C394	87-012-195-080	C-CAP,U 100P-50CH	
	C110	87-010-260-080	CAP, ELECT 47-25V	C395	87-012-195-080	C-CAP,U 100P-50CH	
	C112	87-010-385-080	CAP, ELECT 220-25V	C396	87-012-195-080	C-CAP,U 100P-50CH	
	C113	87-010-237-080	CAP, ELECT 1000-16V	C401	87-010-759-080	C-CAP, U 0.1-25 F	
	C114	87-010-237-080	CAP, ELECT 1000-16V	C402	87-010-759-080	C-CAP, U 0.1-25 F	
	C117	87-012-282-080	CAP, U 4700P-50	C403	87-012-193-080	C-CAP, U 82P-50 CH	
	C118	87-012-282-080	CAP, U 4700P-50	C404	87-012-193-080	C-CAP, U 82P-50 CH	
	C125	87-010-759-080	C-CAP,U, 0.1-25F	C405	87-012-286-080	CAP, U 0.01-25	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C406	87-012-286-080	CAP, U 0.01-25		C803	87-010-787-080	CAP, U 0.022-25	
C407	87-012-286-080	CAP, U 0.01-25		C804	87-010-263-080	CAP, ELECT 100-10V	
C408	87-012-286-080	CAP, U 0.01-25		C807	87-010-400-080	CAP, ELECT 0.47-50V	
C409	87-012-278-080	C-CAP, U 2200P-50 B		C808	87-010-401-080	CAP, ELECT 1-50V	
C410	87-012-278-080	C-CAP, U 2200P-50 B		C809	87-010-401-080	CAP, ELECT 1-50V	
C411	87-010-405-080	CAP, ELECT 10-50V		C810	87-010-759-080	C-CAP, U, 0.1-25F	
C412	87-010-405-080	CAP, ELECT 10-50V		C814	87-012-286-080	CAP, U 0.01-25 K B	
C413	87-010-197-080	CAP, CHIP 0.01		C815	87-010-400-080	CAP, ELECT 0.47-50V	
C421	87-012-275-080	C-CAP, U 1200P-50 B		C816	87-010-400-080	CAP, ELECT 0.47-50V	
C422	87-012-275-080	C-CAP, U 1200P-50 B		C821	87-010-405-080	CAP, ELECT 10-50V	
C423	87-012-274-080	CHIP CAP, U 1000P-50B		C823	87-010-177-080	C-CAP, S 820P-50 SL	
C424	87-012-274-080	CHIP CAP, U 1000P-50B		C824	87-010-404-080	CAP, ELECT 4.7-50V	
C425	87-010-263-080	CAP, ELECT 100-10V		C825	87-010-596-080	CAP, S 0.047-16	
C426	87-010-263-080	CAP, ELECT 100-10V		C836	87-012-286-080	CAP, U 0.01-25 K B	
C427	87-012-188-080	C-CAP, U 47P-50 CH		C837	87-012-286-080	CAP, U 0.01-25 K B	
C428	87-012-188-080	C-CAP, U 47P-50 CH		C842	87-012-286-080	CAP, U 0.01-25 K B	
C429	87-010-598-080	C-CAP, S 0.068-16VRK		C844	87-012-286-080	CAP, U 0.01-25 K B	
C430	87-010-598-080	C-CAP, S 0.068-16VRK		C850	87-010-260-080	CAP, ELECT 47-25V	
C431	87-012-284-080	CAP, U 6800P-50		C851	87-012-286-080	CAP, U 0.01-25 K B	
C432	87-012-284-080	CAP, U 6800P-50		C852	87-012-286-080	CAP, U 0.01-25 K B	
C433	87-010-546-080	CAP, ELECT 0.33-50V		C853	87-012-286-080	CAP, U 0.01-25 K B	
C434	87-010-546-080	CAP, ELECT 0.33-50V		C858	87-010-759-080	C-CAP, U, 0.1-25F	
C435	87-010-263-080	CAP, ELECT 100-10V		C859	87-010-759-080	C-CAP, U, 0.1-25F	
C441	87-010-759-080	C-CAP, U 0.1-25 F		C860	87-012-286-080	CAP, U 0.01-25 K B	
C442	87-010-759-080	C-CAP, U 0.1-25 F		C902	87-018-145-080	CAP, TC-U 6.8P-50 CH	
C443	87-010-759-080	C-CAP, U, 0.1-25F		C908	87-012-174-080	C-CAP, U 12P-50 J CH	
C445	87-A10-039-080	C-CAP, U 470P-50 J CH		C909	87-012-349-080	C-CAP, S 1000P-50 CH	
C452	87-010-382-080	CAP, ELECT 22-25V		C911	87-012-170-080	C-CAP, U 8P-50 D CH	
C453	87-012-279-080	C-CAP, U 2700P-50 B		C912	87-012-195-080	C-CAP, U 100P-50CH	
C454	87-012-279-080	C-CAP, U 2700P-50 B		C913	87-012-286-080	C-CAP, U 0.01-25 K B	
C455	87-012-279-080	C-CAP, U 2700P-50 B		C914	87-012-286-080	C-CAP, U 0.01-25 K B	
C456	87-012-286-080	CAP, U 0.01-25		C915	87-012-286-080	C-CAP, U 0.01-25 K B	
C460	87-010-759-080	C-CAP, U 0.1-25 F		C918	87-012-165-080	CAP 3P	
C461	87-012-158-080	C-CAP, S 390P-50 CH		C920	87-012-180-080	C-CAP, U 22P-50 CH	
C462	87-012-158-080	C-CAP, S 390P-50 CH		C921	87-012-186-080	C-CAP, U 39P-50 CH	
C470	87-A10-039-080	C-CAP, U 470P-50 J CH		C922	87-012-174-080	C-CAP, U 12P-50 J CH	
C605	87-012-275-080	C-CAP, U 1200P-50 B		C924	87-012-174-080	C-CAP, U 12P-50 J CH	
C606	87-012-275-080	C-CAP, U 1200P-50 B		C927	87-012-195-080	C-CAP, U 100P-50CH	
C609	87-010-785-080	C-CAP, U 0.015-25BK		C961	87-012-170-080	C-CAP, U 8P-50 CH	
C610	87-010-785-080	C-CAP, U 0.015-25BK		C962	87-010-401-080	CAP, ELECT 1-50V	
C611	87-010-545-080	CAP, ELECT 0.22-50V		C971	87-010-381-080	CAP, ELECT 330-16V	
C612	87-010-545-080	CAP, ELECT 0.22-50V		C972	87-010-404-080	CAP, ELECT 4.7-50V	
C613	87-010-545-080	CAP, ELECT 0.22-50V		C973	87-012-286-080	CAP, U 0.01-25	
C614	87-010-545-080	CAP, ELECT 0.22-50V		C974	87-012-286-080	CAP, U 0.01-25	
C615	87-012-172-080	CAPACITOR CHIP U 10P CH		C979	87-012-195-080	C-CAP, U 100P-50 J CH	
C616	87-010-248-080	CAP, ELECT 220-10V		C981	87-010-260-080	CAP, ELECT 47-25V	
C617	87-010-248-080	CAP, E 220-10 M 11L SME		C982	87-010-759-080	C-CAP, U, 0.1-25F	
C618	87-010-405-080	CAP, ELECT 10-50V		C983	87-012-286-080	CAP, U 0.01-25	
C630	87-010-831-080	C-CAP, U, 0.1-16F		C984	87-012-286-080	CAP, U 0.01-25	
C771	87-010-263-080	CAP, ELECT 100-10V		C987	87-012-286-080	CAP, U 0.01-25	
C772	87-012-286-080	C-CAP, U 0.01-25 K B		C990	87-012-195-080	C-CAP, U 100P-50CH	
C782	87-012-286-080	CAP, U 0.01-25 K B		C991	87-012-176-080	CAP 15P	
C783	87-012-286-080	CAP, U 0.01-25 K B		C992	87-012-176-080	CAP 15P	
C784	87-012-286-080	CAP, U 0.01-25 K B		C993	87-012-274-080	CHIP CAP, U 1000P-50B	
C785	87-012-286-080	CAP, U 0.01-25 K B		C994	87-012-195-080	C-CAP, U 100P-50CH	
C786	87-012-286-080	CAP, U 0.01-25 K B		C995	87-012-274-080	CHIP CAP, U 1000P-50B	
C788	87-012-167-080	C-CAP, U 5P-50 CH		C996	87-012-195-080	C-CAP, U 100P-50CH	
C789	87-A12-052-080	C-CAP, S 0.033-25 J B		C997	87-010-759-080	C-CAP, U, 0.1-25F	
C790	87-A12-052-080	C-CAP, S 0.033-25 J B		C998	87-010-260-080	CAP, ELECT 47-25V	
C791	87-010-759-080	C-CAP, U, 0.1-25F		C999	87-A11-155-080	CAP, TC U 0.01-16 Z F	
C792	87-012-286-080	CAP, U 0.01-25 K B		CF831	87-008-261-010	FILTER, SFE10.7MA5	
C793	87-010-404-080	CAP, E 4.7-50 M 11L SME		CF832	87-008-261-010	FILTER, SFE10.7MA5	
C795	87-012-286-080	CAP, U 0.01-25 K B		CN301	87-A60-424-010	CONN, 16P V TOC-B	
C796	87-012-286-080	CAP, U 0.01-25 K B		CN302	8A-NED-608-010	CONN ASSY, 6P	
C797	87-010-405-080	CAP, ELECT 10-50V		CN351	87-A60-625-010	CONN, 8P V 2MM JMT	
C798	87-012-286-080	CAP, U 0.01-25 K B		CN401	87-A60-620-010	CONN, 3P V 2MM JMT	
C799	87-010-407-080	CAP, ELECT 33-50V		CNA351	8A-NEC-634-010	CONN ASSY, 8P RPB	
C800	87-010-829-080	CAP, U 0.047-16		CNA401	8A-NEC-633-010	CONN ASSY, 3P (PH)	
C801	87-010-403-080	CAP, ELECT 3.3-50V		△ F101	87-A91-249-010	FUSE, 630MA 250V F 50F	
C802	87-010-829-080	CAP, U 0.047-16		△ FC101	87-A90-505-080	FUSE CLAMP, TP00351-51	

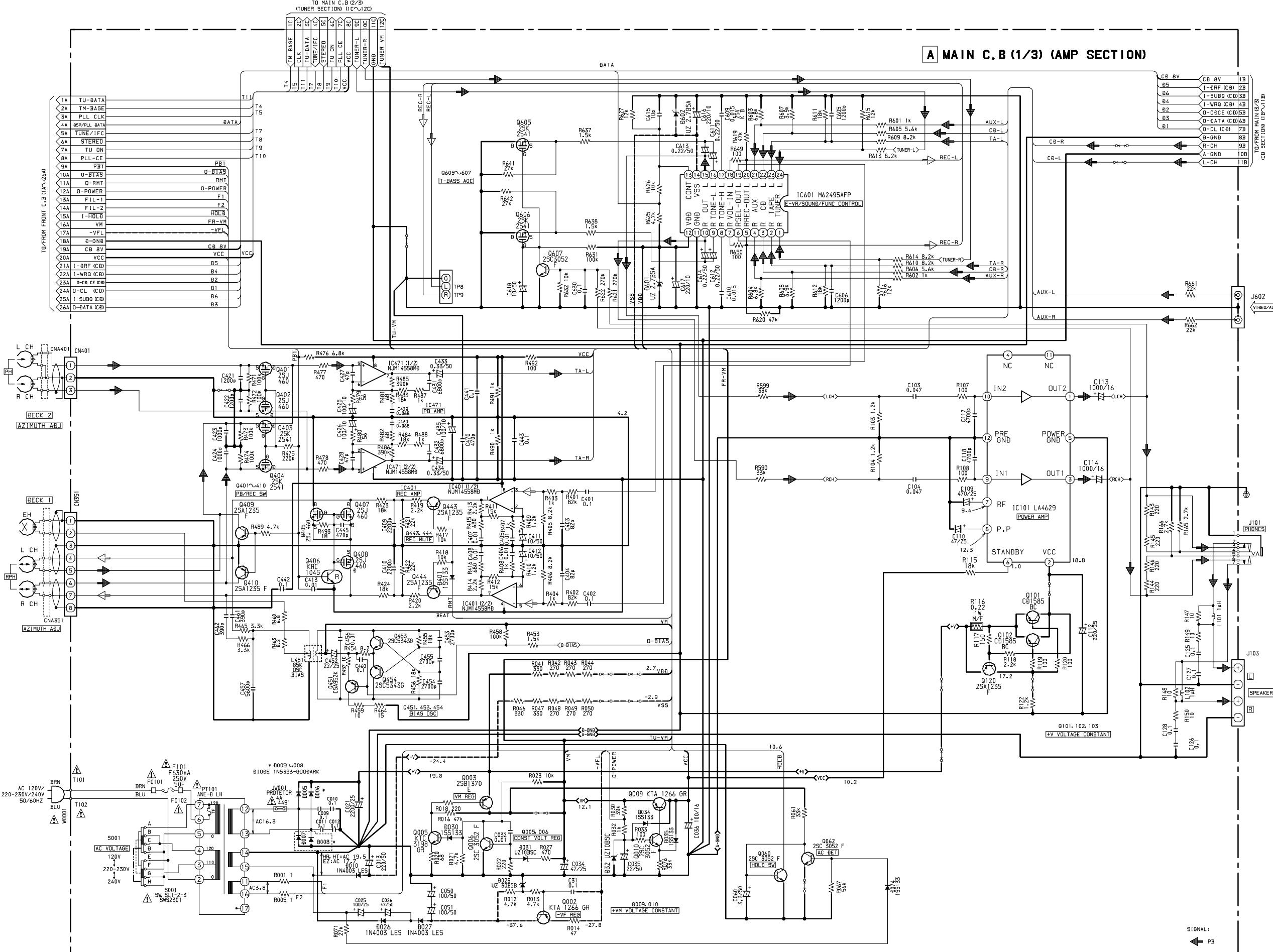
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
△ FC102	87-A90-505-080		FUSE CLAMP, TP00351-51	C518	87-012-268-080		C-CAP, U 330P-50 B
FC301	8A-NEC-603-010		FF-CABLE, 16P -1.0	C523	87-010-248-040		CAP, E 220-10 SME
J101	87-A60-602-010		JACK, DIA6.3 BLK ST W/SW TC	C524	87-010-192-080		C-CAP, S 0.022-50 F
J103	87-A61-452-010		TERMINAL, SP 4P (MSC)	C525	87-010-401-040		CAP, E 1-50 SME
J602	87-A60-881-010		JACK, PIN 2P MSP 242V05 PBSN	C526	87-012-172-080		CAPACITOR CHIP U 10P CH
J831	87-A60-202-010		TERMINAL, ANT 4P MSP-154V-02	C527	87-012-274-080		CHIP CAP, U 1000P-50B
△ JW1	87-A90-094-080		PROTECTOR, 4A 491SERIES 60V	C528	87-010-175-080		CAP 560P
L101	87-A50-610-010		COIL, 1UH K(MDEC)	C530	87-012-195-080		C-CAP, U 100P-50CH
L102	87-A50-610-010		COIL, 1UH K(MDEC)	C531	87-012-195-080		C-CAP, U 100P-50CH
L451	87-007-342-010		COIL, OSC 85K BIAS	C532	87-012-195-080		C-CAP, U 100P-50CH
L801	87-A50-608-010		COIL, FM DET-N (TOK)	C533	87-012-195-080		C-CAP, U 100P-50CH
L802	87-A91-551-010		FLTR, PCFJZH-450 L (TOK)	C534	87-012-195-080		C-CAP, U 100P-50CH
L811	87-005-847-080		COIL, 2.2UH (CECS)	C535	87-012-195-080		C-CAP, U 100P-50CH
L832	87-005-847-080		COIL, 2.2 UH K CECS	C536	87-012-195-080		C-CAP, U 100P-50CH
L903	88-ZA1-602-110		COIL, FM-RF-U2 2G	C537	87-012-195-080		C-CAP, U 100P-50CH
L904	88-ZA1-601-010		COIL, FM-RF-U1 2G	C538	87-012-195-080		C-CAP, U 100P-50CH
L906	87-005-847-080		COIL, 2.2UH (CECS)	C539	87-012-199-080		CAP 220P
L907	8A-NEC-611-010		COIL, FM OSC U 2G	C540	87-010-759-080		C-CAP, U, 0.1-25F
L908	88-ZA1-624-010		COIL, FM IFT 7-6.2 (COILS)	C541	87-010-221-080		CAP, ELECT 470-10V
L951	8A-NF8-667-010		COIL, AM PACK 4 (TOK)	C590	87-010-384-040		CAP, E 100-25 SME
△ PT1	8A-NED-609-010		PT, ANE-D LH	CN500	87-009-345-010		CONN, 2P WHT PH
R116	87-A00-258-080		RES, M/F 0.22-1W J	CN501	87-A60-673-010		CONN, 9P H 2MM JMT
R790	87-012-286-080		CAP, U 0.01-25	CNA500	8A-NED-601-010		CONN, ASSY 2P
△ S1	87-A90-165-010		SW, SL 1-2-3 SWS2301	CNA501	8Z-ZM2-601-010		CONN, ASSY 9P
△ T101	87-A60-317-010		TERMINAL, 1P MSC	FL501	8A-NEC-601-010		FL, HNA-10SS15T
△ T102	87-A60-317-010		TERMINAL, 1P MSC	L501	87-A50-655-010		COIL, CLK 4.19MHZ (TOKO) 7KLY
X301	87-A70-046-010		VIB, XTAL 16.934MHZ	S201	87-A90-095-080		SW, TACT EVQ11G04M
X991	87-A70-061-010		VIB, XTAL 4.500MHZ CSA-309	S202	87-A90-095-080		SW, TACT EVQ11G04M
				S203	87-A90-095-080		SW, TACT EVQ11G04M
				S204	87-A90-095-080		SW, TACT EVQ11G04M
FRONT C.B				S205	87-A90-095-080		SW, TACT EVQ11G04M
C009	87-010-759-080		C-CAP, U 0.1-25 Z F	S206	87-A90-095-080		SW, TACT EVQ11G04M
C010	87-010-759-080		C-CAP, U 0.1-25 Z F	S208	87-A90-095-080		SW, TACT EVQ11G04M
C011	87-010-759-080		C-CAP, U 0.1-25 Z F	S209	87-A90-095-080		SW, TACT EVQ11G04M
C012	87-010-759-080		C-CAP, U 0.1-25 Z F	S210	87-A90-095-080		SW, TACT EVQ11G04M
C031	87-010-759-080		C-CAP, U 0.1-25 Z F	S211	87-A90-095-080		SW, TACT EVQ11G04M
C201	87-010-401-040		CAP, E 1-50 SME	S212	87-A90-095-080		SW, TACT EVQ11G04M
C202	87-010-759-080		C-CAP, U, 0.1-25F	SFR501	87-024-431-080		SFR, 3.3K H RH063MC
C203	87-010-260-040		CAP, E 47-25 SME				
C500	87-010-759-080		C-CAP, U, 0.1-25F				
C505	87-010-829-080		CAP, U 0.047-16				
				CD MOTOR C.B			
C506	87-010-263-040		CAP, E 100-10	M2	9X-262-576-910		MOTOR GEAR ASSY
C507	87-010-246-040		CAP, E 47-35 SME	PIN3	91-564-722-110		CONNECTOR, 6P
C508	87-010-192-080		C-CAP, S 0.022-50 F	SW1	91-572-085-120		LEAF SW
C509	87-010-404-040		CAP, E 4.7-50 SME				
C510	87-010-404-040		CAP, E 4.7-50 SME				
C511	87-010-759-080		C-CAP, U, 0.1-25F				
C512	87-010-263-040		CAP, E 100-10				
C514	87-012-274-080		CHIP CAP, U 1000P-50B				
C516	87-012-286-080		CAP, U 0.01-25				
C517	87-010-759-080		C-CAP, U, 0.1-25F				



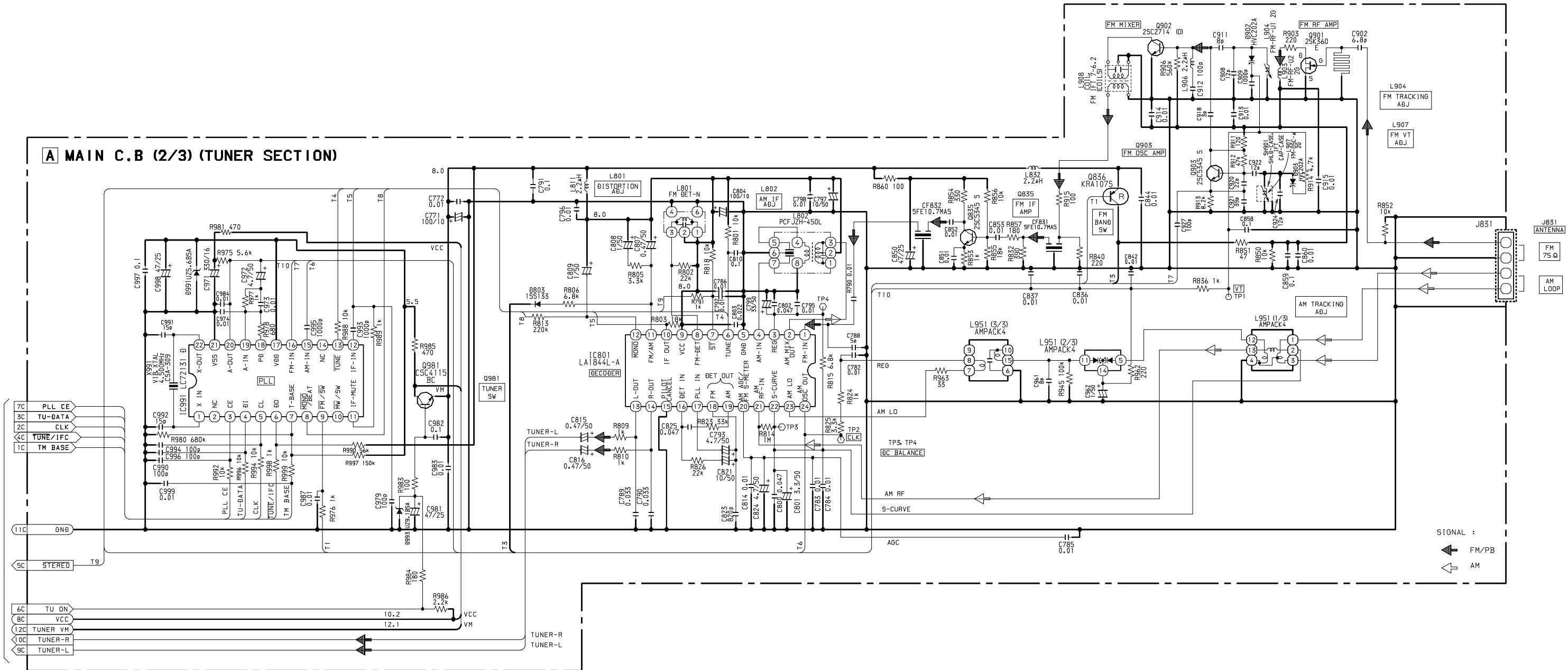
A  
M  
A  
I  
N  
C.  
B

**B FRONT C. B**

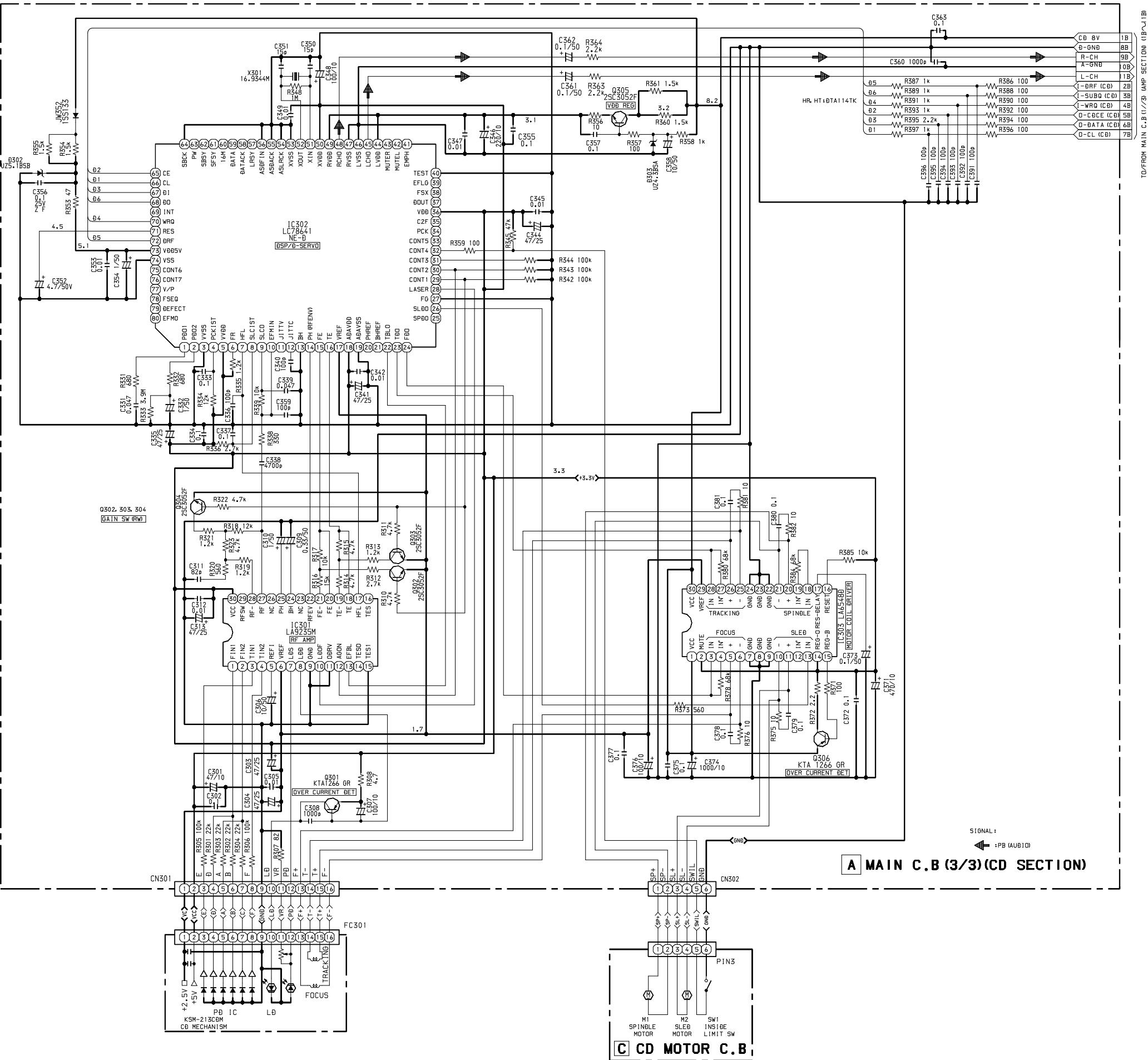
## SCHEMATIC DIAGRAM – 1 (MAIN 1/3)



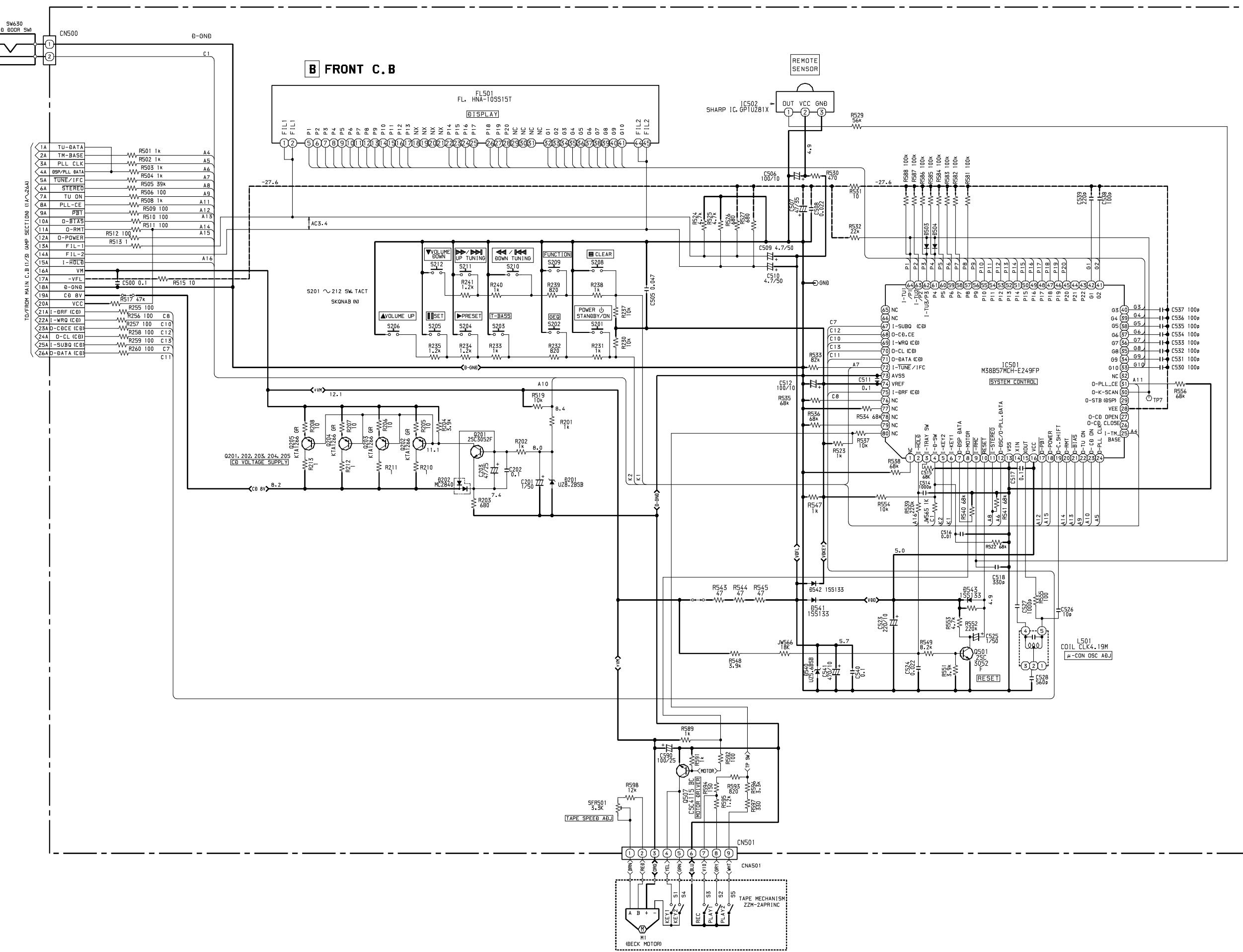
SCHEMATIC DIAGRAM – 2 (MAIN 2/3: TUNER SECTION)



### SCHEMATIC DIAGRAM – 3 (MAIN 3/3: CD SECTION)



## SCHEMATIC DIAGRAM – 4 (FRONT)



## ADJUSTMENT <TUNER / DECK / FRONT>

### < TUNER SECTION >

1. Clock frequency Check  
Settings : • Test point : TP2 (CLK)  
Method : Set to AM 1710kHz and check that the test point is  $2160\text{kHz} \pm 45\text{Hz}$ .
2. AM VT Check  
Settings : • Test point : TP1 (VT)  
Method : Set to AM 1710kHz, 530kHz and check that the test point is less than 8.5V (1710kHz) and more than 0.6V (530kHz).
3. FM TRACKING CHECK  
Settings : • Test point : TP8(Lch), TP9 (Rch)  
Method : Set to FM 98.0MHz and check that the test point is less than 9dB $\mu$ V
4. FM VT Adjustment  
Settings : • Test point : TP1 (VT)  
• Adjustment location : L907  
Method : Set to FM 108.0MHz and adjust L907 so that the test point is  $7.0\text{V} \pm 100\text{mV}$ .
5. AM Tracking Adjustment  
Settings : • Test point : TP8 (Lch), TP9 (Rch)  
• Adjustment location :  
L951(1/3) ..... 999kHz  
Method : Set to AM 999kHz and adjust L951(1/3) to MAX.
6. FM Tracking Adjustment  
Settings : • Test point : TP8 (Lch), TP9 (Rch)  
• Adjustment location : L904  
Method : Set to FM 87.5MHz and adjust L904 so that the test point is maximum.
7. AM IF Adjustment  
Settings : • Test point : TP8 (Lch), TP9 (Rch)  
• Adjustment location :  
L802 ..... 450kHz
8. DC Balance / Mono Distortion Adjustment  
Settings : • Test point : TP3, TP4 (DC Balance)  
: TP8(Lch), TP9 (Rch) (Distortion)  
• Adjustment location : L801  
• Input level : 60dB $\mu$ V  
Method : Set to FM 108MHz and adjust L801 so that the voltage between TP3 and TP4 is  $0\text{V} \pm 0.04\text{V}$ .  
Then check the distortion is less than 1.3%.

### < DECK SECTION >

1. Tape Speed Adjustment (DECK 1)  
Settings : • Test tape : TTA-100  
• Test point : TP8 (Lch), TP9 (Rch)  
• Adjustment location : SFR501  
Method : Play back the test tape and adjust SFR501 so that the frequency counter reads  $3000\text{Hz} \pm 8\text{Hz}$  (FWD) and  $\pm 45\text{Hz}$  (REV) with respect to forward speed.

2. Head Azimuth Adjustment (DECK 1, DECK 2)

Settings : • Test tape : TTA-330  
• Test point : TP8 (Lch), TP9 (Rch)  
• Adjustment location : Head azimuth adjustment screw  
Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.

3. PB Frequency Response Check (DECK 1, DECK 2)

Settings : • Test tape : TTA-330  
• Test point : TP8 (Lch), TP9 (Rch)  
Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is  $0\text{dB} \pm 4\text{dB}$ .

4. REC/PB Frequency Response Check (DECK 1)

Settings : • Test tape : TTA-602  
• Test point : TP8 (Lch), TP9 (Rch)  
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 80mV. Record and play back the 1kHz and 8kHz signal and check that the output of the 8kHz signals is  $0\text{dB} \pm 5\text{dB}$  with respect to that of the 1 kHz signal.

5. REC/PB Sensitivity Check (DECK 1)

Settings : • Test tape : TTA-602  
• Test point : TP8 (Lch), TP9(Rch)  
• Input signal : 1kHz (LINE IN)  
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 8mV. Record and play back the 1kHz signals and check that the output is  $-2\text{dB} \pm 3.5\text{dB}$ .

6. PB Sensitivity Check (DECK 1, DECK 2)

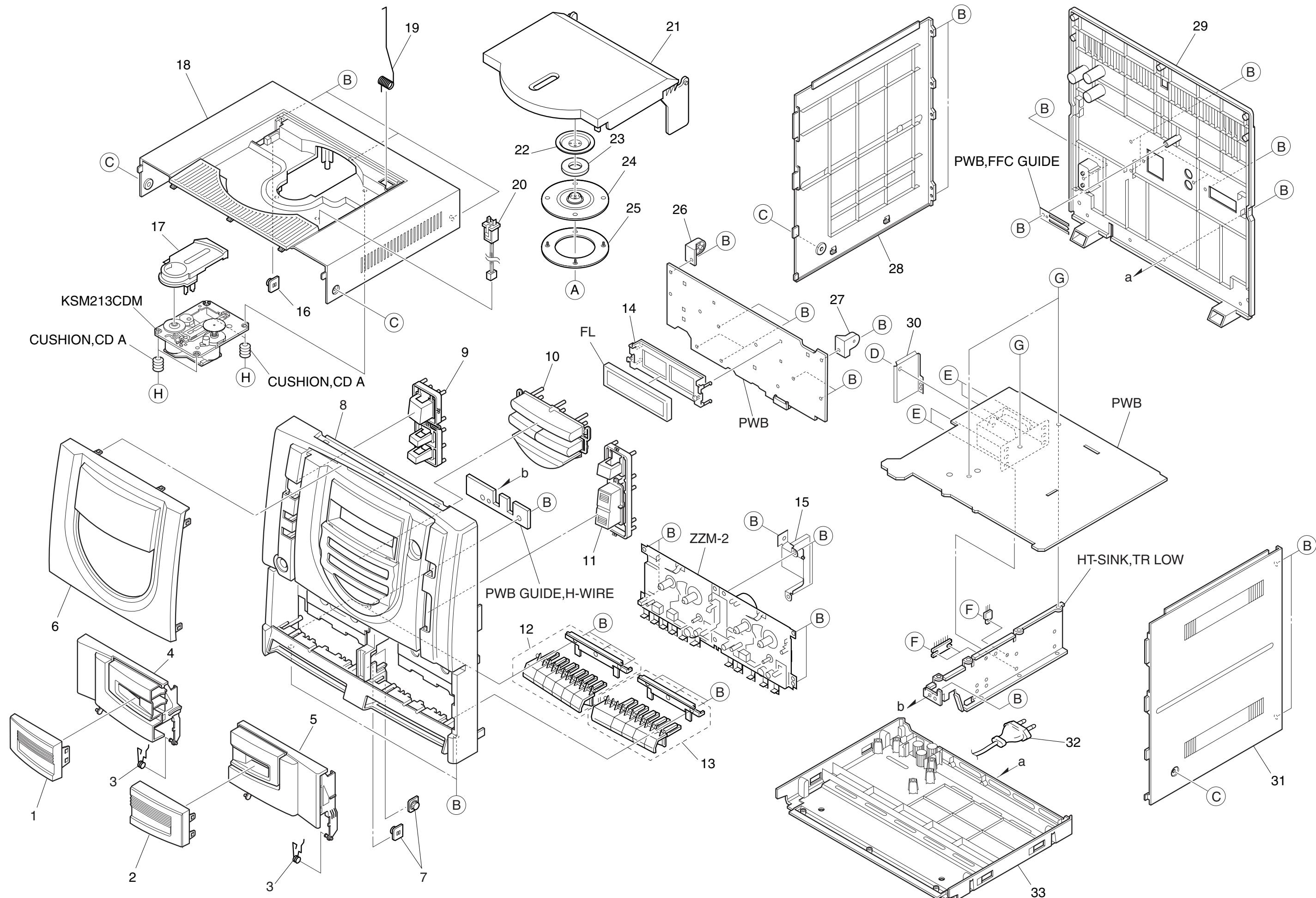
Settings : • Test tape : TTA-200  
• Test point : TP8 (Lch), TP9 (Rch)  
Method : Play back the test tape and check that the output level of the test point is  $110\text{mV} \pm 3.5\text{dB}$ .

### < FRONT SECTION >

1.  $\mu$ -CON OSC Adjustment

Settings : • Test point : TP7 and (GND)  
• Adjustment location : L501  
Method : Insert AC plug while pressing TUNER function key. Adjust L501 so that the frequency at the test point is  $233.4\text{Hz} \pm 0.23\text{Hz}$ .

MECHANICAL EXPLODED VIEW 1 / 1



# MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NED-005-010		WINDOW, CASS 1	26	8A-NED-201-010		HLDR, TOP L
2	8A-NED-006-010		WINDOW, CASS 2	27	8A-NED-202-010		HLDR, TOP R
3	82-NF7-218-010		SPR-T, CASS	28	8A-NEC-013-010		PANEL, LEFT
4	8A-NED-002-010		BOX, CASS 1	29	8A-NED-018-010		CABI, REAR LHSC1
5	8A-NED-003-010		BOX, CASS 2	30	8A-NEC-201-010		HLDR, PT
6	8A-NED-004-010		WINDOW, DISPLAY	31	8A-NEC-014-010		PANEL, RIGHT
7	86-NFZ-231-010		DMPR, 70	32	87-A80-157-010		AC CORD ASSY, E BLK CC
8	8A-NED-001-010		CABI, FR	33	8A-NEC-205-010		CABI, BOTTOM
9	8A-NED-007-010		KEY, POWER	A	87-253-033-110		SCREW, U+2-4
10	8A-NED-009-010		KEY, PLAY	B	87-067-703-010		TAPPING SCREW, BVT2+3-10
11	8A-NED-008-010		KEY, UP/DOWN	C	87-067-641-010		UTT2+3-8 (W/O SLOT) BL
12	8A-NED-010-010		KEY, CASS 1	D	87-571-092-410		TAPPING SCREW, VIT+3-4
13	8A-NED-011-010		KEY, CASS 2	E	87-078-191-010		S-SCREW, IT+4-10
14	8A-NFA-208-010		GUIDE, FL 100-25 ANFA	F	87-067-001-010		S-SCREW, BVWNST2+3-12 W/O SLOT
15	8A-NEC-206-010		HLDR, DECK	G	87-067-579-010		TAPPING SCREW, BVT2+3-8
16	87-NF8-220-010		DMPR, 150	H	8A-NED-204-010		S-SCREW, MECH M3
17	88-CH6-019-110		PANEL, CD				
18	8A-NED-012-110		PANEL, TOP				
19	8A-NED-203-010		SPR, LID				
20	87-036-389-010		SW, PUSH LOCK				
21	8A-NED-033-110		LID, ASSY CD				
22	84-CT5-209-010		PLATE, MAGNET				
23	87-036-368-010		MAGNET				
24	88-CD9-210-210		BASE, CHUCK				
25	88-CD9-211-210		RING, CHUCK				

## COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue				

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